NEWZEN CONSULTANT BANGALORE

NC/QC/DD-W13/2020-21/OM-CA1 Date: 26-05-2020

1. TESTING OF COARSE AGGREGATES (20 mm):

Sub: Testing of Construction Materials.
{Project*: Maintenance of Crematorium Burrial Grounds and Office Maintenance in ward no.13 Shettyhalli Sub Division.}
Ref.: Material testing/QC/20-21,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. D.V. Kumar, Bangalore.

Table - 1.1 : SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2002) % Passing	
	20 mm Sample	Single size	Graded
40 mm	100.00	100.00	100.00
20 mm	98.35	85-100	90 - 100
10 mm	52.65	0 - 20	25 - 55
4.75 mm	8.10	0 - 5	0 - 10

TABLE 1.2 :

SL No	Test conducted	Results	Requirements as per IS:383-1970 & Tests Conforms to IS 2386(Part I to IV) – 1963 (Reaffirmed on 2002)
1.	Flakiness Index	23.19 %	Not to exceed 25 %
2.	Crushing value	27.34 %	Not to exceed 45 % for concrete other than for wearing surfaces and 30% for concrete for wearing surfaces

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ಬೃಹತ್ ಬೆಂಗಳೂರು ...
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

For Newzen Consultants Bangalore
Proprietor

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NEWZEN CONSULTANT BANGALORE

NC/QC/DD-W13/2020-21/OM-S1 Date: 26-05-2020

1. TEST REPORT ON REINFORCEMENT STEEL:

Sub: Testing of Reinforcement Steel of diameter 10 mm **TMT Steel.**
{Project*: Maintenance of Crematorium Burrial Grounds and Office Maintenance in ward no.13 Shettyhalli Sub Division.}
Ref.: Material testing/QC/20-21,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. D.V. Kumar, Bangalore.

TABLE – 1

SL No	Details	For 10 mm	
		Test Results	Min Req as per IS 1786-2008
01	Observed diameter of bar	**10.0 mm**	10.0 mm
02	Observed Wt/m Length **Kg/m**	**0.621**	0.567
03	Proof stress/Yield stress, fy , **N/mm^2**	**535.0**	500.0
04	Bend/ Re bend Test	**Ok**	---
05	Percentage of Elongation, %	**20.40**	12.00
06	Ultimate Tensile Strength **N/mm^2**	**632.0**	545.0

Page No. 1/1,

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NEWZEN CONSULTANT * BANGALORE *

NC/QC/DD-W13/2020-21/OM-SSM1 Date: 28-05-2020

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Maintenance of Crematorium Burrial Grounds and Office Maintenance in ward no.13 Shettyhalli Sub Division.}

Ref.: Material testing/QC/20-21,

Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.

Name of the Agency/Contractor*: Sri. D.V. Kumar, Bangalore.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1346.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.42 %**	Not more than 2.0 %

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NEWZEN CONSULTANT BANGALORE

NC/QC/DD-W13/2020-21/OM-SB1 Date: 30-05-2020

1. TEST REPORT ON PRE –CAST SOLID BLOCKS:

Sub: Testing of Pre-Cast Solid Block- Compressive strength.
{Project*: Maintenance of Crematorium Burrial Grounds and Office Maintenance in ward no.13 Shettyhalli Sub Division.}
Ref.: Material testing/QC/20-21,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. D.V. Kumar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON PRE CAST(Solid Blocks)

BLOCK SPECIMENS

TABLE 1. 1:

Sl No.	Dimensions of Specimen mm	Details	Cross Sectional Area mm^2	Maximum Load in KN	Compressive Strength N/mm^2	Average Compressive Strength N/mm^2
1	400 X 200 X 200	**Solid**	80000	330	4.12	**4.23**
2	,,	,,	80000	340	4.25	
3	,,	,,	80000	345	4.31	

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ಜ್ಞಾನಭಾರತಿ ಪೋಸ್ಟ್, ರಾಜರಾಜೇಶ್ವರಿನಗರ, ಬೆಂಗಳೂರು

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NEWZEN CONSULTANT * BANGALORE *

NC/QC/DD-W13/2020-21/OM-CB1 Date: 09-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 07days Compressive Strength).
{Project*: Maintenance of Crematorium Burrial Grounds and Office Maintenance in ward no.13 Shettyhalli Sub Division.}
Ref.: Material testing/QC/20-21,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. D.V. Kumar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-06-20	09-06-20	07	22500	370	16.44	16.07
	002	"	"	"	"	355	15.78	
	003	"	"	"	"	360	16.00	

For Newzen Consultants Bangalore
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NEWZEN CONSULTANT BANGALORE

NC/QC/DD-W13/2020-21/OM-CB1a

Date: 30-06-2020

1. TEST REPORT ON CEMENT CONCRETE CUBES:

Sub: Testing of Concrete Cubes (for 28days Compressive Strength).
{Project*: Maintenance of Crematorium Burrial Grounds and Office Maintenance in ward no.13 Shettyhalli Sub Division.}
Ref.: Material testing/QC/20-21,
Report Required for: Assistant Executive Engineer,
Shettyhalli Sub Division,
BBMP, Bangalore.
Name of the Agency/Contractor*: Sri. D.V. Kumar, Bangalore.

RESULTS OF COMPRESSIVE STRENGTH ON CEMENT CONCRETE CUBE SPECIMENS

Dimensions of Specimen : 150 X 150 X 150mm
Grade of Concrete* : M_{20}

TABLE 1.1:

Sl No	Location/ Identification*	Date of Casting*	Date of Testing	Age in Days	C/S Area in mm^2	Maximum Load in K.N	Compressive Strength (N/mm^2)	Avg. Value
1	001	02-06-20	30-06-20	28	22500	505	22.44	**22.22**
	002	‘’	“	‘’	“	485	21.56	
	003	‘’	“	‘’	“	510	22.67	

For Newzen Consultants Bangalore
Proprietor

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